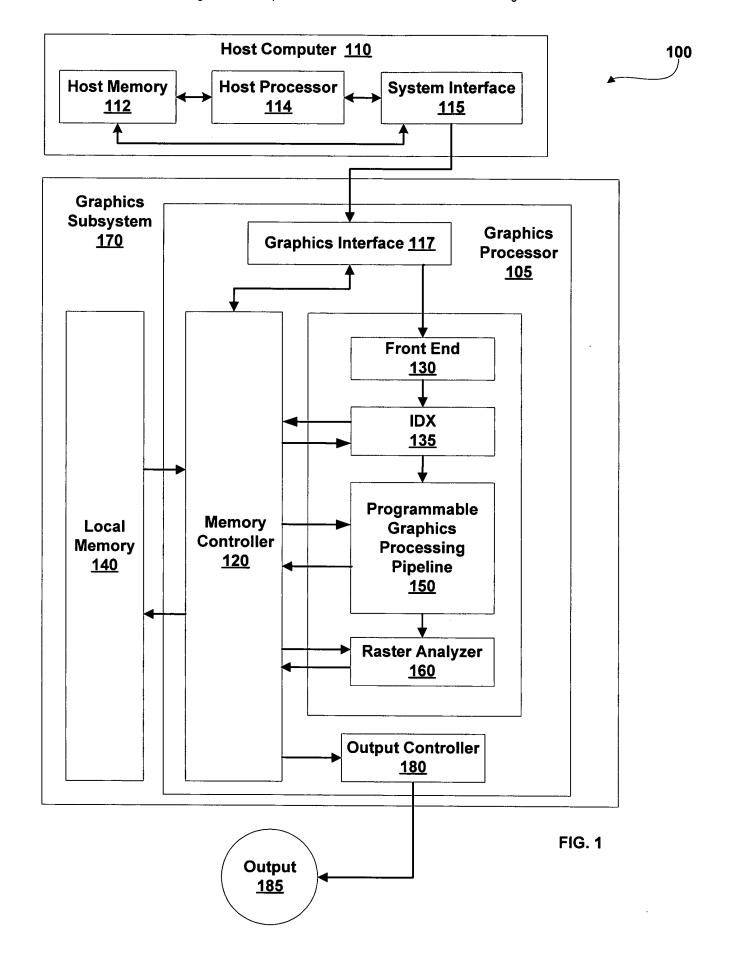
P000844

John Erik Lindholm

A Programmable Graphics Processor for Multithreaded Execution of Programs



P000844
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A Programmable Graphics Processor for Multithreaded Execution of Programs

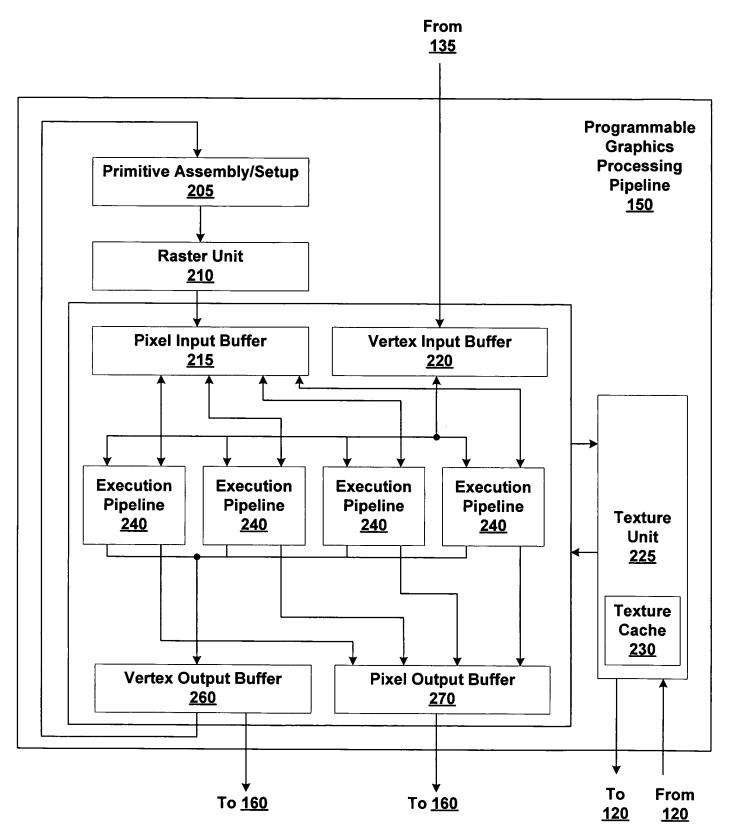


FIG. 2

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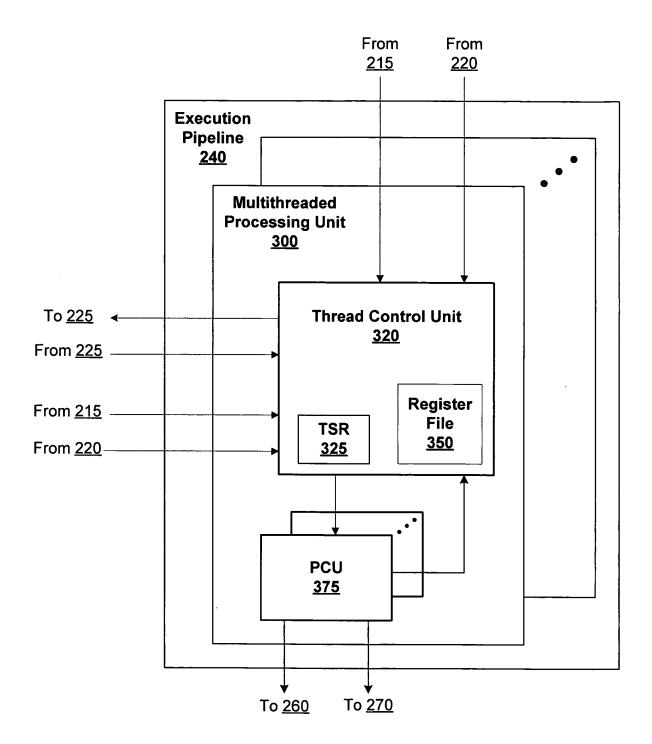


FIG. 3

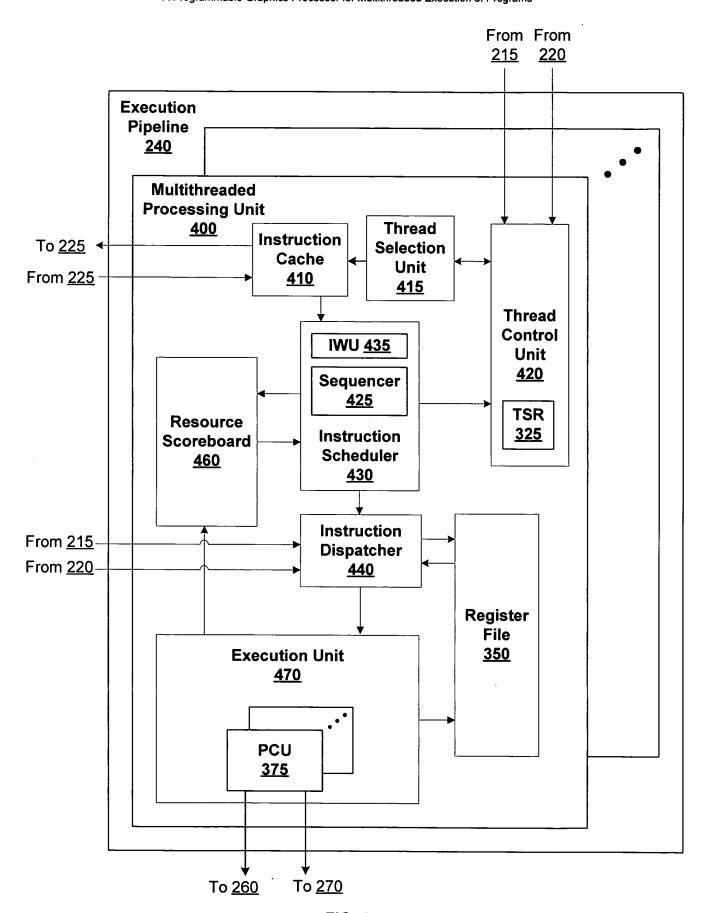
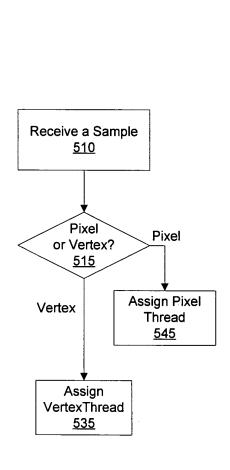


FIG. 4



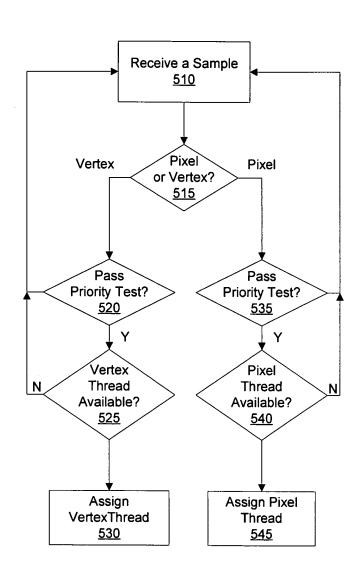


FIG. 5A

FIG. 5B

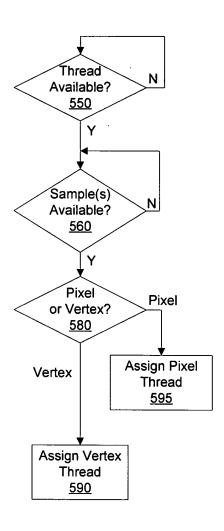


FIG. 5C

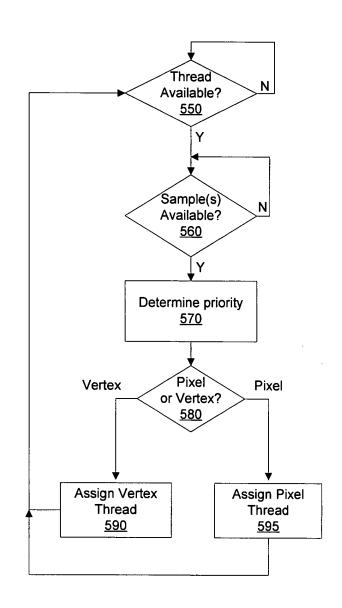


FIG. 5D

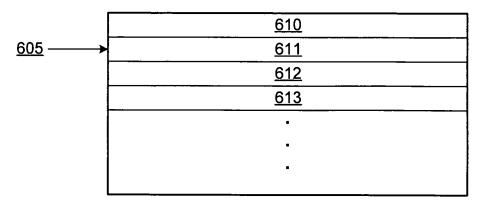


FIG. 6A

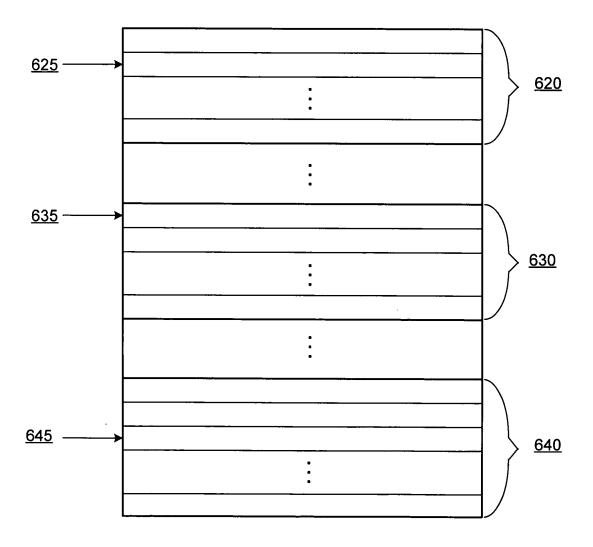


FIG. 6B

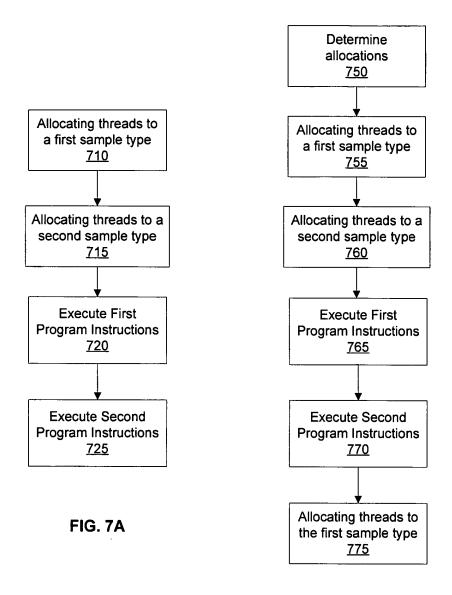


FIG. 7B

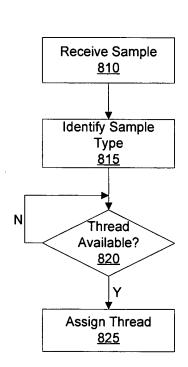


FIG. 8A

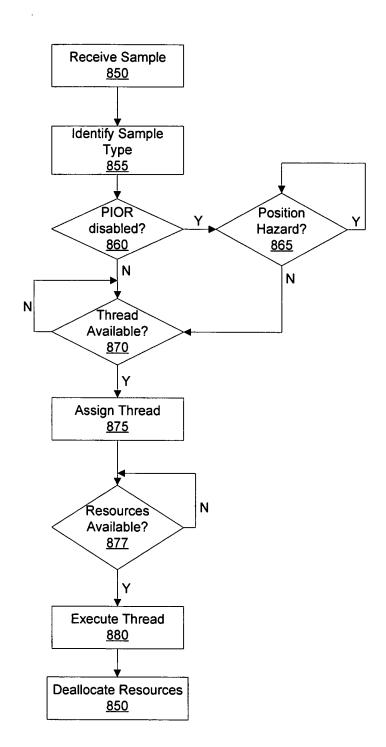
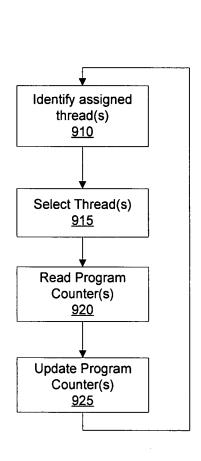


FIG. 8B



Determine thread priority 950 Identify assigned Identify next priority thread(s) for priority <u>980</u> <u>955</u> No threads? Υ <u>960</u>  $\perp$  N Select Thread(s) <u>965</u> Read Program Counter(s) <u>970</u> **Update Program** Counter(s) <u>975</u>

FIG. 9A

FIG. 9B